

ABSTRACT

A folded monopole antenna is provided. The antenna comprises a tube formed of an electrically conductive material having a dielectric therewithin. An electrically conductive wire extends through the dielectric coaxially with the tube. The electrically conductive wire is electrically connected to the tube at one end of the tube. In one embodiment, the electrically conductive wire is connected to the tube by means of an electrically conductive disc which provides capacitive loading. The feed point of the antenna is coupled to the tube at an end of the tube that is opposite to the end at which the wire is electrically connected to the tube. In another embodiment, a folded dipole antenna is provided comprising a pair of separate coaxially aligned tubes formed of an electrically conductive material, each carrying a dielectric therewithin. An electrically conductive wire extends through the dielectric and coaxially with said coaxially aligned tubes, with the electrically conductive wire being electrically connected to the tubes at opposite ends thereof.